

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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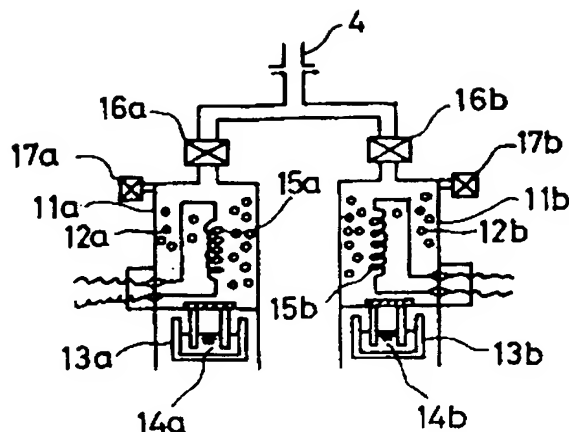
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APPLICANT : TOSHIBA CORP;

INVENTOR : SAITO SHIGEMI;

INT.CL. : H01F 27/14 H01H 33/53

TITLE : HYGROSCOPIC RESPIRATING  
DEVICE FOR OIL IMMERSED  
ELECTRICAL APPARATUS



ABSTRACT : PURPOSE: To improve maintenance capability by connecting two moisture-absorbent housing chambers to a respiration pipe through valves and regenerating a moisture absorbent on the inside without removing the housing chambers from the respiration pipe.

CONSTITUTION: Moisture-absorbent housing chambers 11a, 11b are each connected to a respiration pipe 4 through valves 16a, 16b. Heaters 15a, 15b and moisture discharge valves 17a, 17b are mounted to the housing chambers 11a, 11b. When the capability of moisture absorbents 12a, 12b in the housing chambers 11a, 11b gradually lowers, the valve 16a is closed. The heater 15a is heated, and the moisture absorbent 12a is dried and regenerated. Moisture generated from the moisture absorbent 12 is discharged into atmospheric air from the opened moisture discharge valve 17a. The valve 16a is opened after the temperature of the moisture absorbent 12a drops. Accordingly, maintenance capability is improved.

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